

ABSTRACT OF THE DISCLOSURE

An integrated circuit for an optical encoder comprises a
5 signal processing section for generating a position detection
signal from a detection signal of a light receiving element, a
belt-like power source potential layer which is formed at
least between the signal processing section and the light
receiving element and whose potential is pulled up to power
10 source potential, and a plurality of conductive layers formed
at various heights higher than the power source potential
layer. A connection line which intersects the power source
potential layer above the power source potential layer for
electrically connecting the light receiving element and the
15 signal processing section is formed by a conductive layer of
the plurality of conductive layers other than the lowermost
layer, in a region immediately above the power source
potential layer. By keeping the power source potential layer
as far away from the connection line as possible, power source
20 noise entering the position detection signal is reduced.